



The BeatBox

Written By: programmr

TOOLS:

- [Drill \(1\)](#)
- [Pocket Knife \(1\)](#)

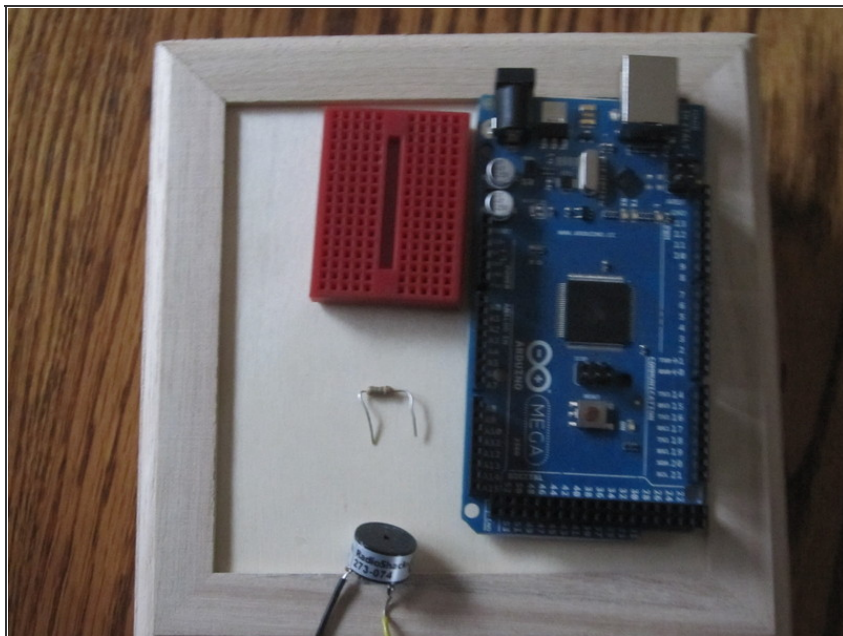
PARTS:

- [Small breadboard \(RS : 276-003\) \(1\)](#)
- [Arduino microcontroller \(1\)](#)
- [1/4W 5% 1Meg resistor \(1\)](#)
- [Hookup wire, 22 gauge, multiple colors \(1\)](#)
- [Piezo Element \(1\)](#)

SUMMARY

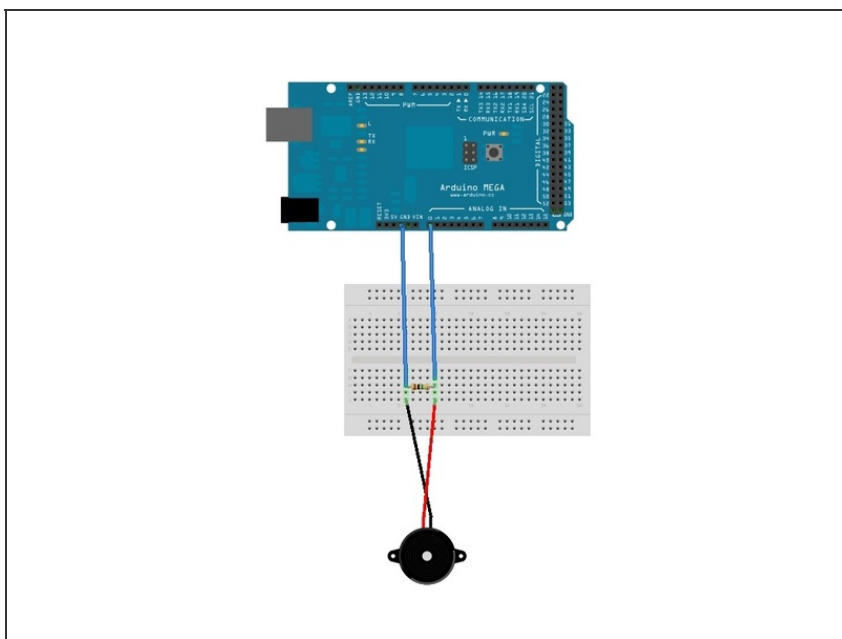
This project needs only a minimal knolage of arduino and a very small number of parts.

Step 1 — The BeatBox



- The first thing you do is to find a box, make a box, or buy a box. We bought our box from Michaels which was \$2.00.
- On the inside, mark where you would like to put the USB hole. Then drill at the approximate place. You don't have to be super exact. All that matters is that the Arduino's USB can fit. The resistor on the image is 1 m

Step 2



- Configure the electronics on a small breadboard, as shown. (Note: The resistor is the 1m resistor.)
- The breadboard can be any size as long as the black of the sensor is connected to one end of the resistor which is connected to ground and the red of the sensor is connected to one end of the resistor which is connected to ground.

Step 3

- Next, you need to write some code. I did the writing for you so its more of uploading my code. The code is available [here](#).

This document was last generated on 2012-11-03 03:25:44 AM.